

Resource Management Consultants

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September 7, 2001

Mr. Jim Christiansen
United States Environmental Protection Agency
Region 8
999 18th Street - Suite 300
Denver, CO 80202-2466

SDMS Document ID



2008713

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EPA REGION VIII
SUPERFUND BRANCH

Ref: 8EPR-SR

RE: Richardson Flat Monthly Status Report for August 2001.

Dear Mr. Christiansen:

This monthly Status Report details site activities conducted at Richardson Flat for August 2001. Also included are the laboratory analytical data from the surface water and groundwater samples collected on August 7, 2001.

Sampling Activities Conducted:

Surface and groundwater were sampled on August 7, 2001.

Surface and Groundwater sampling:

On August 7, 2001 the fifth round of monthly surface water sampling was conducted. Surface water samples were collected at locations RF-8, RF7-2, RF6-2, and RF5. Surface waters were not encountered or surface water flows sufficient to collect samples without disturbing sediments at locations RF4, RF3-2, RF-2, and RF-1. One duplicate sample was collected at location RF5. Groundwater samples were collected with the use of a peristaltic pump at monitoring wells RT-11, RT-12, RT-13 and RT-14. One duplicate groundwater sample was collected from monitor well RT-11. Samples were submitted to the laboratory on August 8, 2001.

No other activities were performed or conducted at the site during the month of August.



Results:

The results of the August surface water and groundwater sampling are reported in Table 1, laboratory and chain-of-custody reports are located in Appendix A. Field data sheets can be found in Appendix B. An electronic copy of the AEC and Frontier Geosciences laboratory analytical reports will be emailed to you and Jeff Montera.

Planned Activities: September 2001

1. Monthly surface and groundwater sampling will be conducted the week of September 6, 2001.
2. The remaining test pits, monitoring wells, and background sample locations will be surveyed during September.
3. Additional soil samples are planned to be collected in order to better define the "boundary" of the site.

Planned Activities: October 2001

1. Monthly surface and groundwater sampling will be conducted the week of October 7, 2001.

If you should have any questions or comments, please contact me at 801-255-2626.

Best regards,

A handwritten signature in black ink, appearing to read "James R. Fricke", is written over the typed name.

James R. Fricke
RMC

Attachment: Table 1, Analytical Summary - Water

Cc: Jeff Montera
Kerry Gee
Kevin Murray
Muhammed Slam
Lynn Woodbury
Jeanne Wilson

Table 1. Richardson Flat Analytical Results Summary, August 2001

units: mg/L except where noted

Lab #	Sample #	AG	AS(3)	AL	AL(3)	ALK	AS	AS(3)	CA	CATIA M/L	CD	CD(3)	CL	CO3	CR	COND	CH(3)	CU	CH(3)	FE	FE(3)	HA(3)	HCO3	NO3	NO3(3)	K	MO	MM	MM(3)	NA	NO3M	NO3M CO	P	PH	PH(3)	SE	SE(3)	SO4M	TDS	TDS	Zn	Zn(3)	
Surface Water																																											
L071153-096	RF-SWRF-2	<0.05	<0.05	<0.05	<0.05	180	0.015	0.008	146	0.73	0.07	<0.07	86	<1	<0.01	1220	<0.01	<0.01	<0.01	0.42	<0.1	537	190	<2	<2	31	42	0.33	0.32	41	<0.1	<0.10	<1	0.03	<0.03	0.027	<0.04	<0.04	319	1033	4.7	0.54	0.46
L071153-097	RF-SWRF-2	<0.05	<0.05	<0.05	<0.05	180	0.012	0.008	139	2.4	0.08	0.07	106	<1	<0.01	1140	<0.01	<0.01	<0.01	0.3	<1	511	182	<2	<2	22	40	0.34	0.33	38	<0.1	<0.1	<1	0.018	<0.03	0.008	<0.04	<0.04	300	796	2.3	0.43	0.38
L071153-098	RF-SWRF-2	<0.05	<0.05	<0.05	<0.05	180	<0.05	<0.05	363	<0.02	<0.01	<0.01	83	<1	<0.01	2142	<0.01	<0.01	<0.01	<1	1152	253	<2	<2	24	73	5.9	5.8	54	0.22	0.34	<1	<0.03	<0.03	<0.05	<0.04	<0.04	339	1023	1.8	0.1	0.11	
L071153-099	RF-SWRF-5	<0.05	<0.05	<0.05	<0.05	180	<0.05	<0.05	314	1.6	<0.07	<0.07	34	<1	<0.01	180	<0.01	<0.01	<0.01	<1	1052	287	<2	<2	42	72	0.32	0.31	38	<0.1	<0.1	<1	<0.03	<0.03	<0.05	<0.04	<0.04	320	1030	2.2	0.2	0.19	
L071153-098	RF-SWRF-5	<0.05	<0.05	<0.05	<0.05	180	<0.05	<0.05	314	1.4	<0.07	<0.07	37	<1	<0.01	182	<0.01	<0.01	<0.01	<1	1088	298	<2	<2	42	74	0.3	0.32	38	<0.1	<0.12	<1	<0.03	<0.03	<0.05	<0.04	<0.04	332	1034	2.2	0.15	0.2	
Groundwater																																											
L071153-094	RF-GWART13	<0.05	<0.05	<0.05	<0.05	270	<0.05	<0.05	270	2.4	<0.07	<0.07	56	<1	<0.01	1582	<0.01	<0.01	<0.01	<1	934	298	<2	<2	42	56	2.6	2.4	25	<0.1	0.35	<1	<0.03	<0.03	<0.05	<0.04	<0.04	572	1216	1	<0.01	<0.01	
L071153-095	RF-GWART13	<0.05	<0.05	<0.05	<0.05	228	<0.05	<0.05	221	3	<0.07	<0.07	53	<1	<0.01	1549	<0.01	<0.01	<0.01	<1	937	298	<2	<2	42	46	5.5	7.5	35	0.17	0.1	<1	<0.03	<0.03	<0.05	<0.04	<0.04	550	1217	3.7	<0.01	<0.01	
L071153-096	RF-GWART11	<0.05	<0.05	<0.05	<0.05	208	0.008	0.008	179	3.9	0.05	0.05	344	<1	<0.01	1972	<0.01	<0.01	<0.01	<1	620	208	<2	<2	<2	43	0.13	0.11	127	<0.02	<0.02	<1	<1	0.14	0.13	0.016	<0.04	<0.04	332	1247	<0.3	6.6	6.6
L071153-097	RF-GWART11	<0.05	<0.05	<0.05	<0.05	208	0.008	0.008	185	<0.1	0.05	0.07	311	<1	<0.01	198	<0.01	<0.01	<0.01	<1	643	208	<2	<2	<2	44	0.13	0.11	12	<0.1	<0.1	<1	<1	0.15	0.13	0.016	<0.04	<0.04	339	1330	1.2	6.6	6.7
L071153-098	RF-GWART11	<0.05	<0.05	<0.05	<0.05	208	0.008	0.008	185	<0.1	0.05	0.07	311	<1	<0.01	198	<0.01	<0.01	<0.01	<1	643	208	<2	<2	<2	44	0.13	0.11	12	<0.1	<0.1	<1	<1	0.15	0.13	0.016	<0.04	<0.04	339	1330	1.2	6.6	6.7
L071153-099	RF-GWART12	<0.05	<0.05	0.02	<0.05	222	<0.07	0.025	137	<0.74	0.227	0.325	129	<1	<0.01	4210	<0.01	0.311	0.311	1.3	0.25	420	202	<2	<2	21	34	3	2.9	53	0.26	0.14	<0.1	0.018	0.018	0.041	<0.04	<0.04	253	320	27.8	8.4	8.4

RF-SWRF-2 FLOW-2 & OFS

TARGET SHEET
EPA REGION VIII
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 2008713

SITE NAME: RICHARDSON FLAT TAILINGS

DOCUMENT DATE: 09/07/2001

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☒ TYPES OF DOCUMENTS NOT TO BE SCANNED
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

APPENDIX A Laboratory Reports, Chain-of-Custody
APPENDIX B Field Data Sheets

